AEE/SSD/SRL/00033/2021 dt 23/11/2020

Original/Duplicate/Triplicate

1st & Final

CONTRACT CERTIFICATE

(For Other works)

Date:

Job code No: 013-20-000008 (P code1771)

Division: Dasarahalli

Sub Division: Shettyhalli Sub Div

Bill Received No..... Date..... Cash Book Voucher No..... Dated.....

Scheduled Documented No.

Name of work (as per sanctioned estimate):- **Improvements to Ravindranagar School in ward no 13, Mallasandra Shettyhalli sub Division**

Name of the Contractor and Full Address: - **B J kumara**

Reference to work order BBMP/EE/DD/WO/461/2019-20

DATE: 13-12-2019

Certified that the measurement were taken by me on 19/11/2020 and recorded of pages U87519 to U87530.

Of measurement Book No: U876/19-20 And that the work is satisfactorily executed.

Contractor B.J.

Office-in-charge of work

Certified that the measurements were taken by me on 19/11/2020 And found correct.
The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agree upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub division officer

If Memorandum of Payment **Job code : 013-20-000008**

1)Total value of work done or supplies made as per account within	
2) Deduct amount to be held in reserve being.....percent Rs.....	
3)Deduct amount to be held in Balance	
4)Deduct Payments:	1st and Finall Bill → 4654804=00
a)Amount of Previous payment as in the office Cash book Voucher No..... Dated.....S.D.No.....	IT → 46548=00
Amount adjusted towards cash advance recovery of	Lwe → 46548=00 (-) 184873=
b)Payments cost store or other materials supplied	CSF → 4655=00
Now made recovery of amount creditable to this/other work	CGST → 41561=00
Amount paid on this bill Cheque/Cash.	SGST → 41561=00
5)Balance being unpaid value of work done held in reserve	Roy → MB Submitted.
6)Deduct cash advance made on the office cash Book Voucher No..... Dated..... less adjustements	Fine → 4000/00
7)Net amount due to or from contractor	
Unadjusted items	
8)Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied	Net Amount → 4469931=00

B.J.

Contractor's Signature

Received Rs..... (in words)

.....

By cash and by adjustment of Payment as per memorandum.

Witnesses:

1

2

Dated..... Signature of Contractor

Paid by me by cheque No..... Dated.....

Cast Rs..... Dated.....

Initials of Office making payment

Audited and admitted for Rs. 4654804=00

Passed by Cheque for Rs. 4469931=00 (for use in the Office)

Forty four lakh Sixty three thousand Nine hundred thirty one only

184873=00

Executive Engineer

Exe. Engineer

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement		Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.	Cum	91.86	400.00	36744.00			91.86	36744.00	91.86	36744.00
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	31.95	6500.00	207675.00			31.95	207675.00	31.95	207675.00
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Cum	58.68	6000.00	352080.00			58.68	352080.00	58.68	352080.00
4	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications	Sqm	47.4	125.00	5925.00			25.74	3217.50	25.74	3217.50
5	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification	Cum	91.86	150.00	13779.00			91.86	13779.00	91.86	13779.00
6	Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	Cum	67.97	8000.00	543760.00			67.97	543760.00	67.97	543760.00
7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications.	Sqm	2.88	500.00	1440.00			2.88	1440.00	2.88	1440.00
8	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	7.79	75000.00	584250.00			7.79	584250.00	7.79	584250.00
9	Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification	Sqm	98.15	600.00	58890.00			98.15	58890.00	98.15	58890.00
10	Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification	Sqm	142.4	400.00	56960.00			142.40	56960.00	142.40	56960.00
11	Providing and removing centering shuttering strutting propping etc., for chejjas, corbels etc., including edges including cost of all materials, labour complete as per specifications	Sqm	3.78	400.00	1512.00			3.78	1512.00	3.78	1512.00
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs,landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification	Sqm	196	650.00	127400.00			196.00	127400.00	196.00	127400.00
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.	Sqm	8.08	525.00	4242.00			8.08	4242.00	8.08	4242.00
14	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications	Sqm	458.58	1100.00	504438.00			458.58	504438.00	458.58	504438.00

15	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications	Sqm	677.88	200.00	135576.00			677.88	135576.00	677.88	135576.00
16	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	90.48	210.00	19000.80			90.48	19000.80	90.48	19000.80
17	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification .	Sqm	281.84	200.00	56368.00			230.14	46028.00	230.14	46028.00
18	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications	Sqm	959.72	20.00	19194.40			908.02	18160.40	908.02	18160.40
19	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.	Sqm	959.72	50.00	47986.00			908.02	45401.00	908.02	45401.00
20	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications - with primer.	Sqm	677.88	90.00	61009.20			677.88	61009.20	677.88	61009.20
21	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications	Sqm	90.48	90.00	8143.20			90.48	8143.20	90.48	8143.20
22	Providing White Sal wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.	Cum	0.4	70000.00	28000.00			0.40	28000.00	0.40	28000.00
23	Providing and fixing in position fully panelled Mathi/ Nandi wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)	Sqm	9.24	2000.00	18480.00			9.24	18480.00	9.24	18480.00
24	Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications	Kg	362.88	80.00	29030.40			362.88	29030.40	362.88	29030.40
25	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete.	Sqm	197.4	850.00	167790.00			197.40	167790.00	197.40	167790.00
26	Providing and fixing Ceramic tiles of size 400x400mm for flooring, threads, steps and landing, laid on a bed of 20mm thick cement mortar 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing, cleaning etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, etc., complete as per specification	Sqm	18.72	800.00	14976.00			18.72	14976.00	18.72	14976.00
27	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	Sqm	16.9	2000.00	33800.00			16.90	33800.00	16.90	33800.00

28	Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl	Sqm	17.28	6000.00	103680.00			17.28	103680.00	17.28	103680.00
29	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios	Sqm	9.24	40.00	369.60			9.24	369.60	9.24	369.60
30	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications	Sqm	9.24	90.00	831.60			9.24	831.60	9.24	831.60
31	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mmsize with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded with water for a minimum period of two weeks curing	Sqm	91.79	850.00	78021.50			91.79	78021.50	91.79	78021.50
32	G.I. Barbed Wire Fencing 1.2 Metre High-Providing and fixing 1.2 metres high GI barbed wire fencing with 1.8 m angle iron posts 40 mm x 40 mm x 6 mm placed every 3 metres center to center founded in M15 grade cement concrete, 0.6 metre below ground level, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with 9 horizontal lines and 2 diagonals interwoven with horizontal wires, fixed with GI staples, turn buckles etc complete as per clause 800.7 as per specifications.	Mtr	139	200.00	27800.00			0.00	0.00	0.00	0.00
33	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges	Sqm	13.75	7000.00	96250.00			13.75	96250.00	13.75	96250.00
34	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc	Each	1	2000.00	2000.00			1.00	2000.00	1.00	2000.00

							0.00	0.00	0.00
35	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity ... PVC in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 0.00 to 50.00 Mtr.								
	0.00 to 50.00 Mtr.	Mtr	50	350.00	17500.00			50.00	17500.00	50.00	17500.00
36	50.00 to 100.00 Mtr.	Mtr	50	700.00	35000.00			50.00	35000.00	50.00	35000.00
37	100.00 to 150.00 Mtr.	Mtr	50	750.00	37500.00			50.00	37500.00	50.00	37500.00
38	150.00 to 200.00 Mtr.	Mtr	50	800.00	40000.00			50.00	40000.00	50.00	40000.00
39	200.00 to 250.00 Mtr.	Mtr	50	950.00	47500.00			50.00	47500.00	50.00	47500.00
40	250.00 to 300.00 Mtr.	Mtr	50	800.00	40000.00			50.00	40000.00	50.00	40000.00
41	300.00 to 350.00 Mtr.	Mtr	50	400.00	20000.00			50.00	20000.00	50.00	20000.00
42	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end	Rmt	42	1375.00	57750.00			42.00	57750.00	42.00	57750.00
43	Providing and fixing 250mm dia PVC pipe and as per specification and directions	Rmt	6	1200.00	7200.00			6.00	7200.00	6.00	7200.00
44	175 mm dia M.S. Casing cap	Each	1	100.00	100.00			1.00	100.00	1.00	100.00
45	supply of 175mm M.S collars each	Each	7	150.00	1050.00			7.00	1050.00	7.00	1050.00
46	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11KW 25 stage	Nos	1	90000.00	90000.00			1.00	90000.00	1.00	90000.00
47	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe	Rmtr	260	650.00	169000.00			260.00	169000.00	260.00	169000.00
48	Coller	Each	27	225.00	6075.00			27.00	6075.00	27.00	6075.00
49	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia	Rmt	285	175.00	49875.00			285.00	49875.00	285.00	49875.00
50	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	Nos	1	21000.00	21000.00			1.00	21000.00	1.00	21000.00
51	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm	Sq.cm	22000	0.30	6600.00			22000.00	6600.00	22000.00	6600.00
52	Providing & Fixing of clamps set and borewell cap to the pump (MR)	No	1	2000.00	2000.00			1.00	2000.00	1.00	2000.00
53	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve.	No	2	1100.00	2200.00			2.00	2200.00	2.00	2200.00
54	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia	No	4	1500.00	6000.00			4.00	6000.00	4.00	6000.00
55	Providing and fixing of 50mm GI Shortbend to motor	No	2	250.00	500.00			2.00	500.00	2.00	500.00

56	Providing and fixing of 50mm GI union to the motor	No
57	suppling & fixing of 50mm GI Elbow	No
58	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m)	L
59	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)	No
60	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP	No
61	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable	Mtr
62	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces	Mtr
63	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm	Mtr
64	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia	No
65	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc,	No
66	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)	No
67	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia	No
68	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches	No
69	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinery soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications	Cum
70	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 40mm nominal OD pipes (	Rmtr
71	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 25mm nominal OD pipes	Rmtr
72	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (internal work exposed on wall) 20mm nominal OD pipes (Page No.99, Item No. 13.87.2)	Rmtr
3	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 40mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each
	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	No
	Supplying of 40mm dia Elbows	No
	Supplying of 25mm dia Elbows	No
	Supplying of 40mm dia Union	No
	Supplying of 25mm dia Union	No
	Supplying of 25mm dia Nipple	No

AE(E)/SSD/SRA/C0033/20-21 dt 27/4/2020
Original/Duplicate/Triplicate

2	250.00	500.00			2.00	500.00	2.00	500.00
1	125.00	125.00			1.00	125.00	1.00	125.00
52	75.00	3900.00			52.00	3900.00	52.00	3900.00
1	475.00	475.00			1.00	475.00	1.00	475.00
1	900.00	900.00			1.00	900.00	1.00	900.00
35	125.00	4375.00			35.00	4375.00	35.00	4375.00
35	25.00	875.00			35.00	875.00	35.00	875.00
3	150.00	450.00			3.00	450.00	3.00	450.00
1	1500.00	1500.00			1.00	1500.00	1.00	1500.00
1	150.00	150.00			1.00	150.00	1.00	150.00
1	1000.00	1000.00			1.00	1000.00	1.00	1000.00
2	500.00	1000.00			2.00	1000.00	2.00	1000.00
1	300.00	300.00			1.00	300.00	1.00	300.00
25.6	250.00	6400.00			25.60	6400.00	25.60	6400.00
40	250.00	10000.00			40.00	10000.00	40.00	10000.00
4.5	160.00	720.00			4.50	720.00	4.50	720.00
1.8	150.00	270.00			1.80	270.00	1.80	270.00
1	800.00	800.00			1.00	800.00	1.00	800.00
7	100.00	700.00			7.00	700.00	7.00	700.00
7	60.00	420.00			7.00	420.00	7.00	420.00
7	30.00	210.00			7.00	210.00	7.00	210.00
7	150.00	1050.00			7.00	1050.00	7.00	1050.00
7	60.00	420.00			7.00	420.00	7.00	420.00
7	30.00	210.00			7.00	210.00	7.00	210.00

80	Supplying of 25mm dia Reducer Elbow	No	
81	Supplying of 25mm dia Reducer socket	No	
82	Supplying of 40mm dia Tees		
83	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	
84	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	
85	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)	Cum	
86	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications	Cum	
87	KPTCL Deposit	Ls	
88	Electrical		
89	Furniture		

7	35.00	245.00			7.00	245.00	7.00	245.00
7	25.00	175.00			7.00	175.00	7.00	175.00
7	100.00	700.00			7.00	700.00	7.00	700.00
3.2	1500.00	4800.00			3.20	4800.00	3.20	4800.00
3.2	4500.00	14400.00			3.20	14400.00	3.20	14400.00
4.8	5000.00	24000.00			4.80	24000.00	4.80	24000.00
12.8	150.00	1920.00			12.80	1920.00	12.80	1920.00
1	13300	13300.00			1.00	13300.00	1.00	13300.00
				L/S				
				L/S				
				Sub Total Rs		4156075.20		4156075.20
				Add GST 12%		498729.02		498729.02
				Total Rs		4654804.22		4654804.22

Rupees Forty Six Lakh(s) Fifty Four Thousand Eight Hundred Four And Paise Twenty Two Only

Certificate:

Certified that the contractor has work done satisfactorily.

Certified that the contractor has removed the debries from work site.

Certified that there is no departmental issues made by Contractor .

Assistant Engineer
Ward No 13

Assistant Executive Engineer
Shettyhalli Sub Division